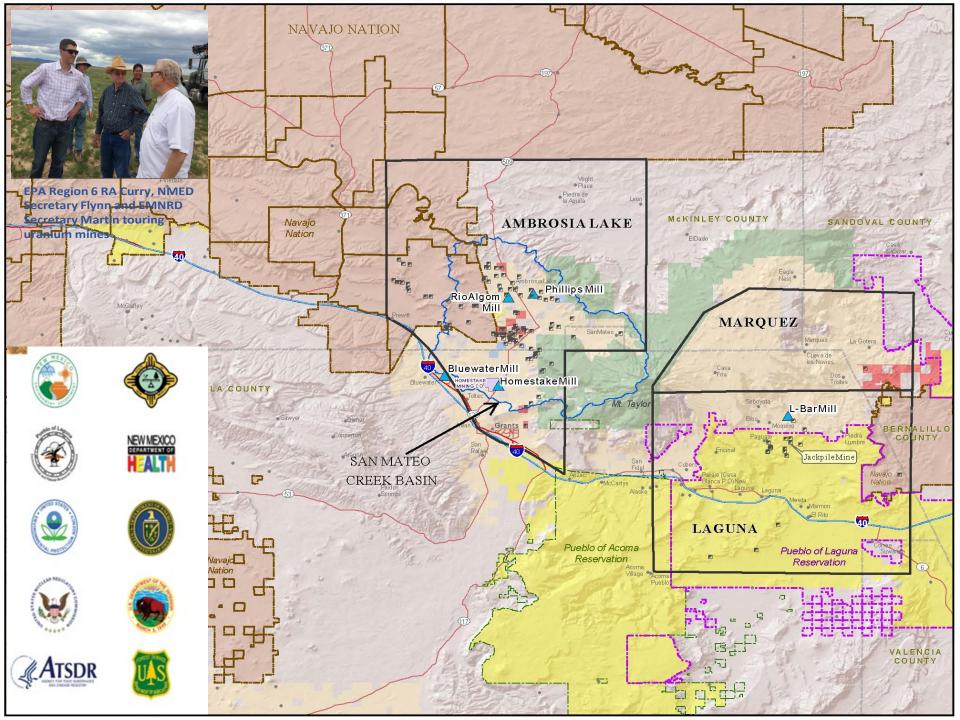
Grants Mining District, New Mexico

2015 – 2020 Five-Year Plan to Assess and Address Health and Environmental Impacts of Uranium Mining and Milling



Objectives & Goals for 2015-2020 Five-Year Plan for Grants Mining District

Includes: Accomplishments from 2010 Five-Year
 Plan for Grants Mining District







Assess, Cleanup, Long-Term Management of Former Uranium Mills

- Continued inspections and sampling groundwater
- Filled data gaps at Anaconda Bluewater
 Mill and Ambrosia Lake-Phillips Mill

Image NMRGIS © 2010 Google

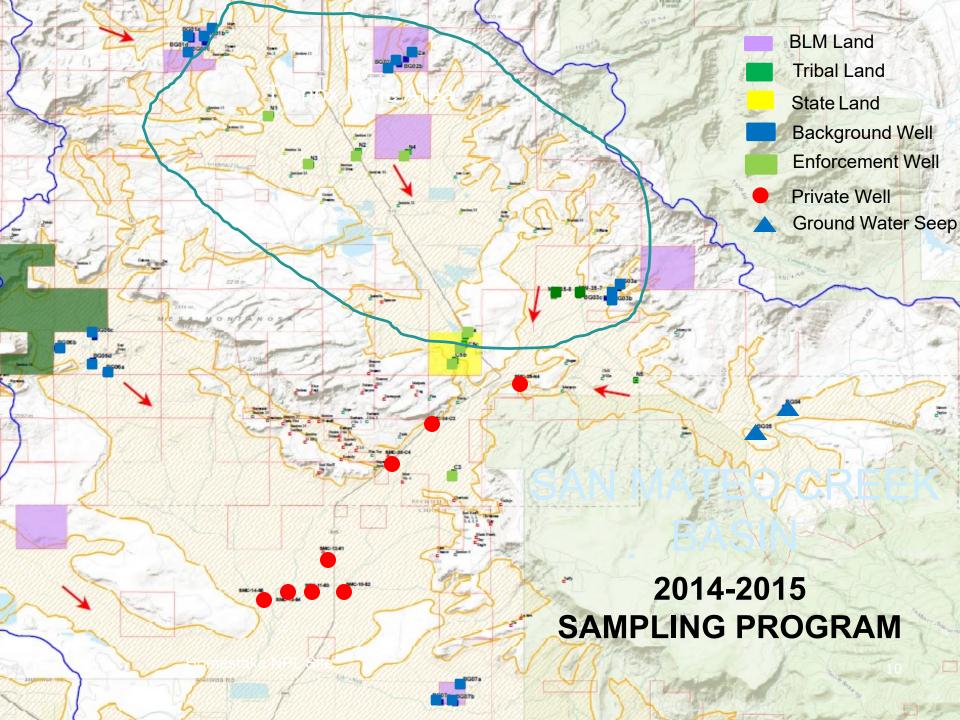
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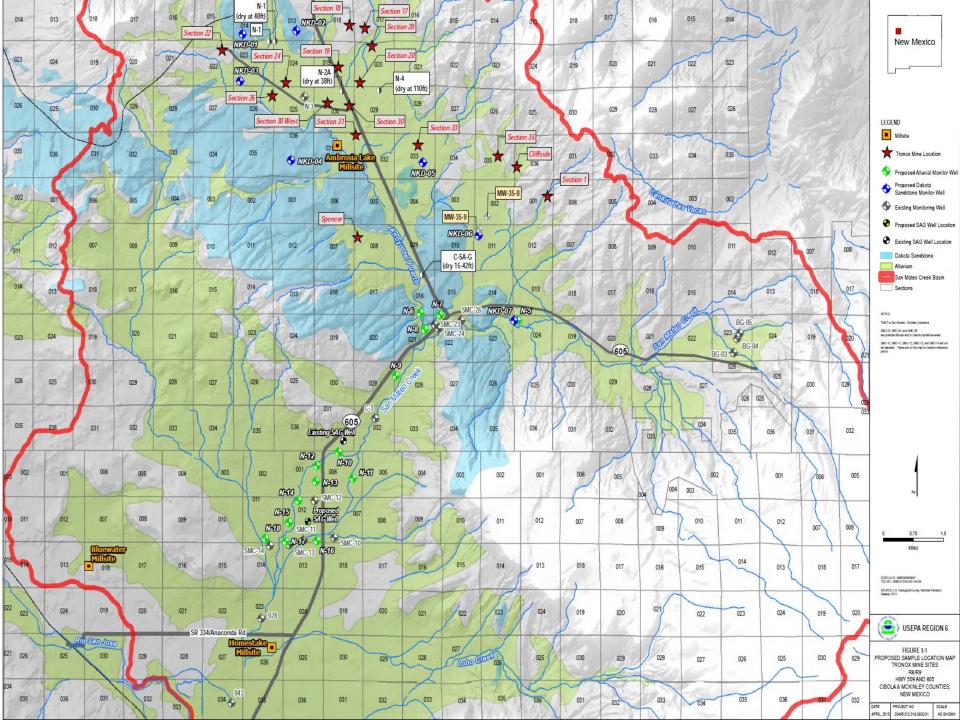
Communication/Coordination on Community Issues



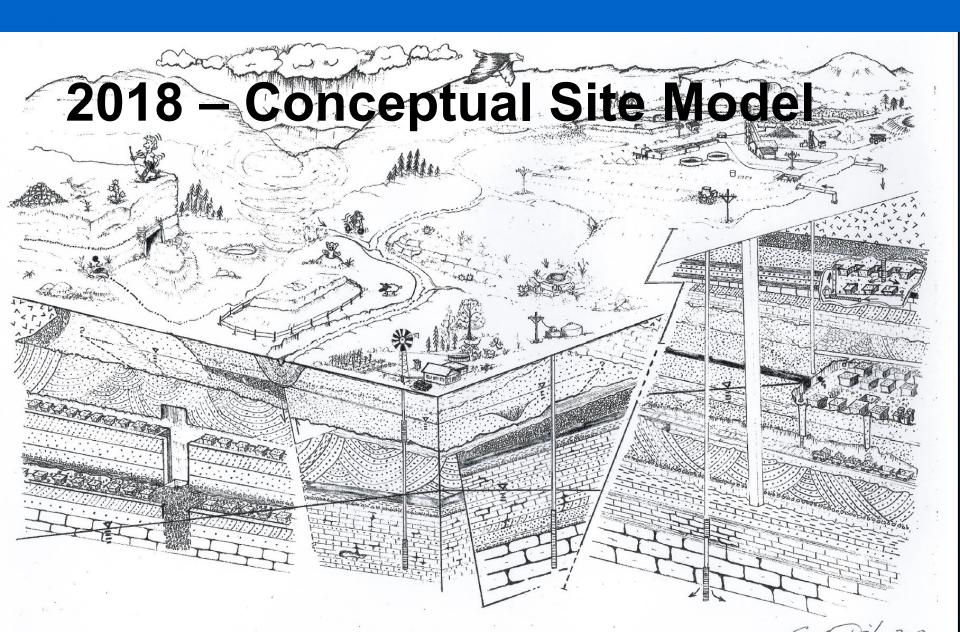
2010 – 2015 Plan		2015 – 2020 Plan
Goals <u>Water Supply Sources</u> – Evaluate private well groundwater quality	Accomplished 32 private wells sampled (2009 & 2010) 23 wells exceed drinking water standards for at least one or more constituent 43 private wells sampled (2014 & 2015) 26 wells exceed drinking water standards for at least one or more constituent	Goals In 2015, issue EPA and NMED Groundwater Assessment Reports In 2018, issue conceptual site model; is a tool to understand impacts of legacy uranium mining and milling on surface water and groundwater systems in San Mateo Creek basin
Evaluate public water supplies	 3 Milan public water supply wells sampled all wells meet drinking water standards 	
 Legacy Uranium Mines Compile existing information Assess mine impact areas Evaluate Jackpile for NPL 	 97 mines assessed aerial gamma survey screening assessments 10 investigations – Dysart #2, John Bully, Johnny M, Marquez, Mary #1,Sandstone, Sections 10,12,15,30 1 cleanup – San Mateo Mine Jackpile on NPL December 2013 	 In 2016, engage potential responsible parties In 2016, BLM complete cleanup at 4 mines (Spencer and Barbara J Complex) In 2016, USFS complete cleanup at 4 mines (Old La Jara, Taffy, Vallejo, Zia) In 2016, EPA complete assessment on 2 mines and begin cleanup (Sections 35, 36); initiate assessment on 4 mines (Sections 10, 22, 24, 30W) In 2017, complete assessment on 4 mines and begin cleanup (Sections 10, 22, 24, 30W); initiate assessment on 4 mines (Sections 17, 19, 30, 33) In 2019, complete cleanup of 3 mines (Sections 35, 36, Johnny M) In 2020, begin cleanup of 4 mines (Sections 10, 22, 24, 30W) Conduct remedial investigation/feasibility study at Jackpile

	2010 – 2015 Plan	2015 – 2020 Plan
Goals	Accomplished	Goals
Former Uranium Mills - Surveillance and maintenance - Additional groundwater studies	 Inspected and maintained disposal cells (Phillips Mill, Bluewater Mill, L-Bar Mill) Demolished all remaining structures at the Rio Algom Mill site Installed 10 new monitoring wells at the Bluewater Mill; additional constituents/more frequently sampling of wells at the Bluewater and Rio Algom Mill sites better understanding of hydrology 	 Maintain disposal cells (Phillips Mill, Bluewater Mill, L-Bar Mill) In 2017, complete groundwater feasibility study for United Nuclear Corporation –Northeast Church Rock site and update the Record of Decision to account for current site conditions In 2017, complete investigation at Homestake Mill site and issue final groundwater and tailings pile Record of Decision 2020 NRC license termination at Rio Algom site; handoff to DOE for surveillance and maintenance 2020 NRC begins handoff transition to DOE
Residential Areas - Identify contaminated structures - Identify contaminated properties	 Initial mission completed with 900 structures and properties assessed 772 found below action levels, owners informed 128 found above action levels and cleaned up 	
Public Health Surveillance - Study uranium exposure	 Completed biometric study 6 to 9 times higher uranium in urine than national average 	
Communication	 4 Community meetings held 5-Year Plan updated twice 	 Clearly communicate ongoing and planned actions/activities Provide information the community needs

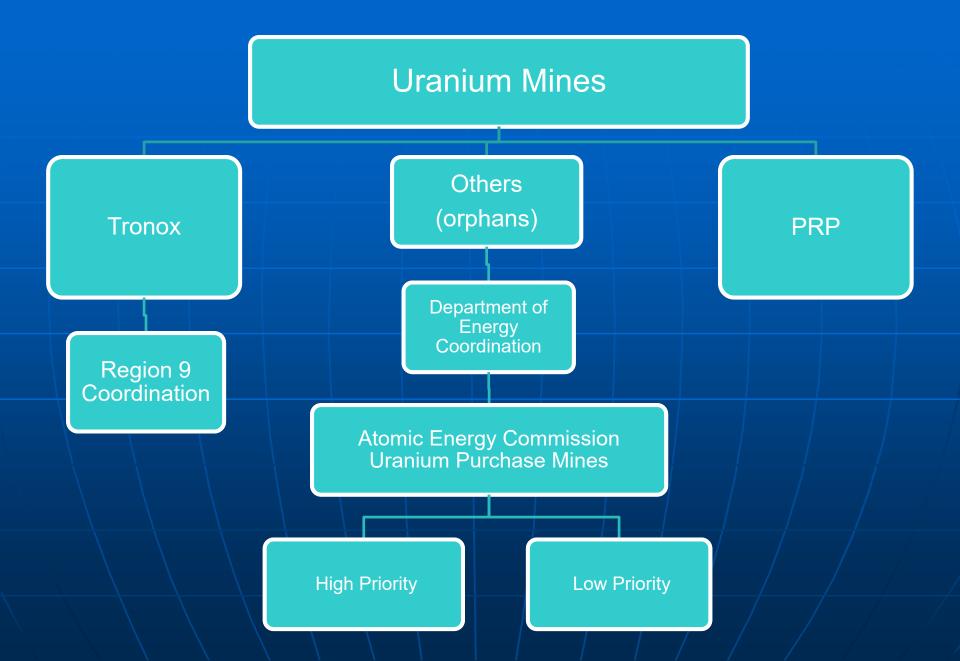




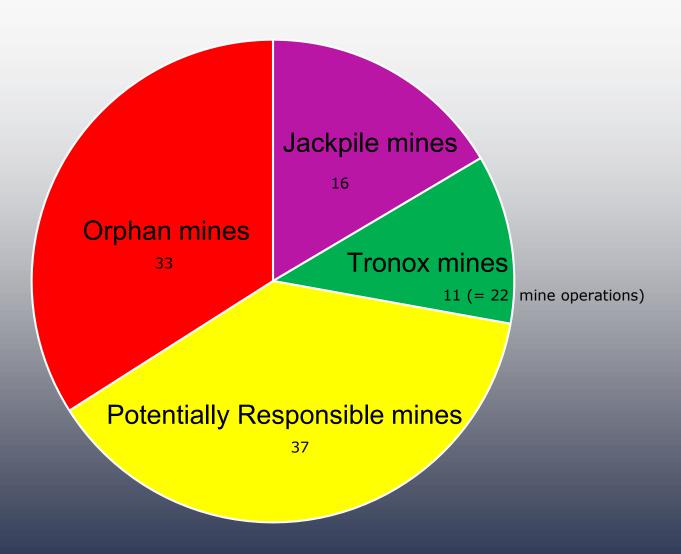
Goal for Water Sources



Grants Mining District



Grants Mining District Mines - 97



Goal for Mines

EPA

- Complete Removal Action at Section 35/36
- Complete Removal Assessments on all Tronox Mines
- Oversee PRP assessments and cleanups
- Conduct RI/FS at Jackpile-Paguate Mine

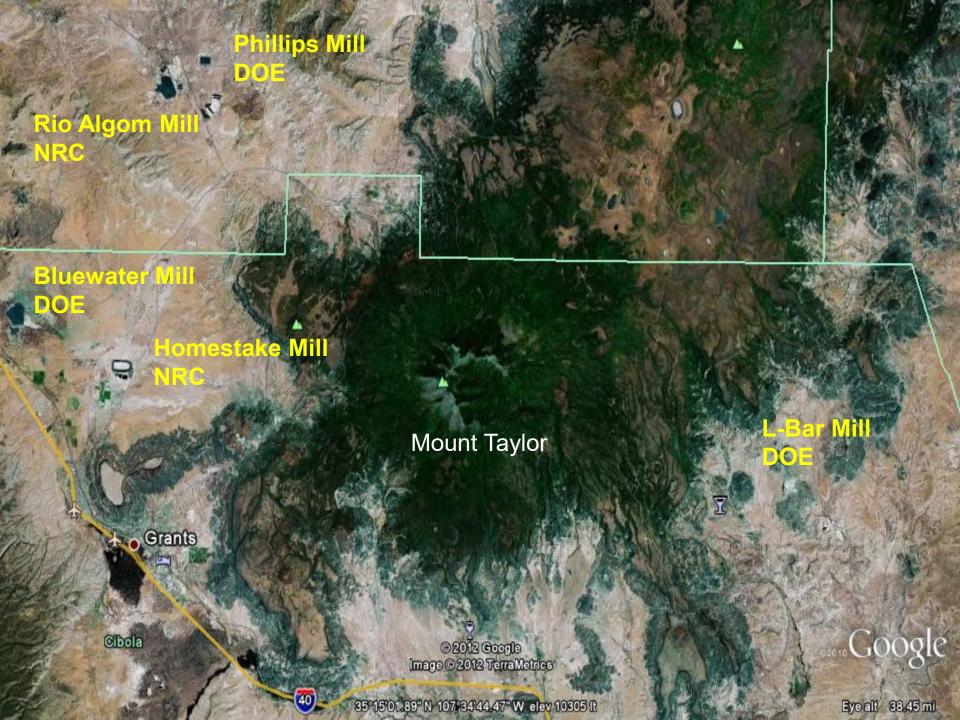


Goal for Mines



- Complete Reclamation of Spencer Mine
- Complete Reclamation of the Barbara J Complex USFS
- Complete Removal Actions at Taffy, Vallejo, Old La Jara,
 Zia Mines





Goal for Mills

- 2017 Update ROD for UNC-NECR
- 2017 Issue ROD for Homestake
- 2020 License termination for Rio Algom Mill
- Continue long-term maintenance of mills (Phillips, Bluewater, L-Bar)



Goals for Communication/Coordination

- Hold community meetings, as needed
- Implement education plan
- Maintain and update website annually
- Maintain FO-OC and Grants Command Post
- Make available TASC and TAG, as needed
- Annual updates to CIP

2015 5-Year Plan GMD Next Steps

- Oct. 9 share plan
- Oct. 27 community meeting
- Nov. incorporate comments; brief DD
- Dec. finalize plan



